

\*CONFIDENTIAL

NAS 934 MA 1992 (1st year)

**MORLEY RESEARCH CENTRE****Experiment report**

**Crop** Winter oilseed rape  
**Title** Variety trial - Supplementary (NIAB ref: WOREE68)

**Summary**

In a trial which had little disease or lodging to affect the performance of a range of varieties, Bristol and Samourai produced the highest yields of 2.38 and 2.42 t/ha respectively, significantly above the control varieties.

**Manager** G.M.Palmer  
**Object** To evaluate the relative performance of a range of winter oilseed varieties grown under "best local practice" on a heavy soil.  
**Site** W.Hamilton and Son, The Rosery Farm, Little Stonham

**Method****Treatments**

## Varieties:

Cobra (C)	Andol	Cobol	Lincoln
Falcon (C)	Apache	Envol	Lineker
Libravo (C)	Arcol	Eurol	Rocket
Tapidor (C)	Bristol	Idol	Samourai
	Capricorn	Lictor	

(C) = controls

The trial was drilled on 17 September 1991.

All plots received normal crop management inputs including Sportak Alpha in the autumn and spring followed by Rovral at early podding.

**Layout** Randomised block with 4 replicates

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\*Not for publication without the Director's consent. this report deals primarily with only one year's work, so any conclusions given are only provisional.

## Results and discussion

Table 1. *Establishment, early vigour and yield (t/ha at 91% dm)*

Variety	Plant popn.	Vigour score* (/m <sup>2</sup> )	Seed yield 15 Jan	Oil content (%)	Yield of oil
Cobra (C)	113	9	4.76	45.2	2.16
Falcon (C)	120	7	4.71	46.7	2.20
Libravo (C)	90	7	4.83	46.2	2.23
Tapidor (C)	109	8	4.84	46.7	2.26
Andol	119	8	4.72	46.1	2.17
Apache	114	9	4.76	46.8	2.23
Arcol	120	9	4.68	45.7	2.15
Bristol	110	8	5.10	46.7	2.38
Capricorn	91	6	4.72	46.7	2.20
Cobol	110	7	4.53	45.9	2.08
Envol	109	9	4.97	46.9	2.33
Eurol	128	8	4.94	46.8	2.32
Idol	118	8	4.82	46.8	2.26
Lictor	107	8	4.65	45.6	2.11
Lincoln	118	8	4.63	46.0	2.14
Lineker	108	8	4.58	46.2	2.11
Rocket	110	7	4.97	46.4	2.30
Samourai	119	7	5.17	46.8	2.42
LSD (P=0.05)			0.378	0.74	0.172
SE as % GM			5.4	1.1	5.5

Plant count on 18 Nov

\*Vigour score 1-9, 9 = good

Plant establishment was good after slow initial emergence in dry conditions. Early vigour differences were small, Capricorn being the most retarded. There was little disease apparent throughout the season and little crop lodging at this site.

The highest yields of seed and oil were given by Bristol and Samourai (significantly above the control varieties).

### Acknowledgements

Thanks are due to the host farmer and his staff for their help in carrying out the experiment.

### Appendix

Details of the field and experiment diary are available on request.